

19970811.qrp v00\_n815.qrs.970811

>From ???@??? Tue Aug 12 00:10:32 1997  
Date: Mon, 11 Aug 1997 19:03:12 EDT  
Subject: QRP-L digest 815  
Message-Id: <97Aug11.190357edt.35197-56870+197@fidoii.cc.Lehigh.EDU>

### QRP-L Digest 815

Topics covered in this issue include:

- 1) [24649] Hints on viewing "NWQ" Newsletter  
by Bill Todd <bill@techline.com>
- 2) [24650] FWD: New URL for FISTS Web page  
by Bill Myers <bjmyers@arc.net>
- 3) [24651] Spider sold  
by "Thomas J. Whalen" <whalen@swcp.com>
- 4) [24652] RF Sensing Switch  
by Kory Hamzeh <kory@avatar.com>
- 5) [24653] F/S/T 10M AM QRP aka ex-CB  
by MNHopkins@aol.com
- 6) [24654] Dan's Does it AGAIN!  
by Jerry Parker <jparker@fix.net>
- 7) [24655] Great QRP Collection FS!!  
by "Mark S. Adams" <msadams@acsu.buffalo.edu>
- 8) [24656] Power Supply  
by Norm Melick <henmel@worldnet.att.net>
- 9) [24657] Re: QRP Club Callsigns  
by Ken Newman <n2cq@comten.com>
- 10) [24658] Re: QRPizzah Invasion Possible  
by "KFGlynn" <KFGlynn@prodigy.net>
- 11) [24659] Re: Power Supply for DVM  
by Ed Tanton <n4xy@bellsouth.net>
- 12) [24660] Re: summer doldrums/scratch building & Source for Books  
by Glasscock Family <glass@televar.com>
- 13) [24661] (Fwd) For CQCBB on the Web.  
by "Marshall Emm" <mgemm@mtechnologies.com>
- 14) [24662] QRP-DX-Exp. to OH0  
by Anders Wandahl <aw@lib.kth.se>
- 15) [24663] 11 volts from 12 volt regulator!  
by Bill Meara <wmeara@erols.com>
- 16) [24664] Cmos III Keyer  
by K4AHK@ix.netcom.com
- 17) [24665] Re: 11 volts from 12 volt regulator!  
by n1pwu@juno.com (Robert K Berlyn)
- 18) [24666] RE: DB. help for contest.  
by "Pat A. Taber" <pat@vtpo1.genrad.com>
- 19) [24667] How to paint PCB

- by Greg Newberry <newberry@cyberhighway.net>
- 20) [24668] Re: Secret CQC Meeting  
by Bill Crowley <bcrow@Carte.Net>
- 21) [24669] GAP Principals (Antenna)  
by Greg Newberry <newberry@cyberhighway.net>
- 22) [24670] Re: summer doldrums/scratch building & Source for Books  
by Chris Trask <ctrask@primenet.com>
- 23) [24671] Been There Done That  
by ji3m@maxwell.com (James R. Duffey)
- 24) [24672] Help with instructions on this device...  
by Marty <mlp@flash.net>
- 25) [24673] Californis Visit  
by rwilcox <rwilcox@newton.cacky.com>
- 26) [24674] Companions Progress (final)  
by tahrens1@juno.com (Timothy H Ahrens)
- 27) [24675] Dan's MPF131  
by Charles Kadesch <chas@nmaa.org>
- 28) [24676] Re: QRP Clubs?  
by Jim Glover <psykey@okcforum.org>
- 29) [24677] relisting two rigs  
by Jim <kw3u@warwick.net>
- 30) [24678] computer fever has stricken.. Selling radio gear  
by Bernie Doehner <bad@uhf.wireless.net>
- 31) [24679] RE: "QRP" Clubs Calls  
by Ken Newman <n2cq@comten.com>
- 32) [24680] Re: FT-7 no xmit  
by Bill Howell <bhowell@mail.utexas.edu>
- 33) [24681] battery abuser question?  
by Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>
- 34) [24682] Re: Secret CQC Meeting  
by launerb@crl.com (William H. Launer)
- 35) [24683] Map Help  
by Brad Mugleston <bmug@gwl.com>
- 36) [24684] QRP SSTV?  
by PDouglas12@aol.com
- 37) [24685] Re: battery abuser question?  
by Chris Cartwright <ccart@dns.vidtel.com>
- 38) [24686] Headphones, where to get  
by "L.C. Chadbourne" <lynnc@ibm.net>
- 39) [24687] Re: QRP Clubs?  
by "Paul R. Valko" <prvalko@oakland.edu>
- 40) [24688] FS NC38S, etc.  
by "Al Hunter" <ahunter@inland.net>
- 41) [24689] Re: Power Supply  
by Steven Weber <kd1jv@moose.ncia.net>
- 42) [24690] Re: GAP Principals (Antenna)  
by w4bws@juno.com (Donald E Sanders)
- 43) [24691] Re: QRPizzah Invasion Possible

by w4bws@juno.com (Donald E Sanders)  
44) [24692] Re: 11 volts from 12 volt regulator!  
by w4bws@juno.com (Donald E Sanders)  
45) [24693] Re: Map Help  
by Ed Pacyna <pacyna@auratek.com>  
46) [24694] Re: Map Help  
by Norm Melick <henmel@worldnet.att.net>  
47) [24695] Headphone Impedance (WAS: Headphones, where to get)  
by KB0VCC <dalea@artemis.fc.hp.com>  
48) [24696] Re: 11 volts from 12 volt regulator!  
by Ed Tanton <n4xy@bellsouth.net>  
49) [24697] Re: Map Help  
by Jack Bryant <Jack.Bryant@math.tamu.edu>  
50) [24698] ID of Glass (Germanium) Diodes  
by Ed Tanton <n4xy@bellsouth.net>  
51) [24699] Re: Map Help  
by "KFGlynn" <KFGlynn@prodigy.net>  
52) [24700] LED FIELD STRENGTH INDICATOR  
by ARDUJENSKI@aol.com  
53) [24701] AS model ACJ-2801J1 ?  
by Paul Erickson <paul1@wizard.ucsf.ca>  
54) [24702] WWW Map Sites  
by "Watson R Gabriel Jr" <wgabriel@duke-energy.com>  
55) [24703] European operation  
by Mel Evans <MelEvansGM6JAG@CompuServe.COM>  
56) [24704] UPS DELIVERS!!!  
by Ed Tanton <n4xy@bellsouth.net>  
57) [24705] Ham Club Project Ideas  
by bcutter@teal.csn.net (Bob Cutter)  
58) [24706] Re: Map Help  
by Bill Jones <kd7s@psnw.com>  
59) [24707] DELEWARE!  
by aa8yo@tir.com (aa8yo)  
60) [24708] Re: Dan's MPF131  
by Leon Heller <leon@lfheller.demon.co.uk>  
61) [24709] Headphone impedance  
by "Arjen Raateland, FEI/Impacts Research" <Arjen.Raateland@vyh.fi>  
62) [24710] 2SC2166 pwr out  
by Steven Weber <kd1jv@moose.ncia.net>  
63) [24711] Key pictures on the web  
by "Marshall Emm" <mgemm@mtechnologies.com>  
64) [24712] Re: How to paint PCB  
by tahrens1@juno.com (Timothy H Ahrens)  
65) [24713] Re: battery abuser question?  
by tahrens1@juno.com (Timothy H Ahrens)  
66) [24714] Schematic request  
by n4js@amsat.org (John Sielke)  
67) [24715] MAPS

by Brad Mugleston <bmug@gwl.com>  
68) [24716] Re: How to paint PCB  
by "Bob Kellogg" <ae4ic@nr.infi.net>  
69) [24717] Re: battery abuser question?  
by Conway Yee <cyee@bidmc.harvard.edu>

---

Date: Sun, 10 Aug 1997 16:51:13 -0700  
From: Bill Todd <bill@techline.com>  
To: nwq-1@scn.org  
Cc: qrp-1@Lehigh.EDU  
Subject: [24649] Hints on viewing "NWQ" Newsletter  
Message-ID: <1.5.4.32.19970810235113.006e2f1c@mail.techline.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hello folks -

Boy - this HTML programming sure is tough! I have uploaded the "new and improved" NWQ Newsletter to my server about 8 times over the past day. Each time it looks a little better.

The flip side of that is that the pages look a lot less weird! hi

ADVICE: Use Netscape rather than Microsoft Explorer if possible. Netscape does a better job of following the printed NWQ format than Explorer.

Note: If it STILL looks weird...it is just your imagination (or heat stroke). Seriously, check back in a week, and the small "weirdnesses" (new word) should magically go away.

CUL, Bill-N7MFB  
<http://www.techline.com/~bill>  
or, for more complete club information, go to our official page at:  
<http://www.scn.org/IP/nwqrp/nwqrp.html>

---

Date: Sun, 10 Aug 1997 19:00:05  
From: Bill Myers <bjmyers@arc.net>

To: "Low Power Amateur Radio Discussions" <qrp-1@Lehigh.EDU>  
Subject: [24650] FWD: New URL for FISTS Web page  
Message-ID: <3.0.1.16.19970810190005.094faebe@mail.arc.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>Hi,  
>  
>We have a new URL for our FISTS page in effect as of today. It's  
><http://www.FISTS.org>  
>  
>We hope to phase out the use of the <http://n9nvv.qrp.com/~fists> eventually.  
>During the transition period, both URLs will get visitors to the FISTS  
>page.  
>  
>Thanks to Lee N9NVV for his help with the new URL, which we believe will  
>enhance FISTS presence on the Internet.  
>  
>Pse update your links and information to reflect our new address.  
>  
>Thanks and 73  
>Nancy WZ8C

72/73's

Bill KK4KF

-----  
Date: Sun, 10 Aug 1997 18:32:10 -0600 (MDT)  
From: "Thomas J. Whalen" <whalen@swcp.com>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [24651] Spider sold  
Message-ID: <Pine.SUN.3.91.970810183006.23661C-100000@kitsune.swcp.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello Fellow QRPers, looks like the Spider has been spoken for. Thanks to  
all that responded. 72,Tom WB5QYT

-----  
Date: Sun, 10 Aug 1997 18:16:23 -0700 (PDT)  
From: Kory Hamzeh <kory@avatar.com>  
To: qrp-1@Lehigh.EDU  
Subject: [24652] RF Sensing Switch

Message-ID: <Pine.BSI.3.91.970810181602.27594B-1000000@avatar.avatar.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I am working on a 20 watt amp to give my QRP rigs a little punch every now and then. Since none of my QRP rigs have a TX output signal (PTT), I'd like to build something very simple to sense that the rig is transmitting and turn on a transistor. I was looking at the rainbow tuner schematic, and I think that it might work if I use from sort of transformer/coupler on the input of the amp. The output would have a diode driving the Gate pin of a VM10KM (with an RF bypass to ground of course).

What does this sound? Any input or other methods would be very appreciate here.

Thanks,  
Kory  
AC6RN

-----  
Date: Sun, 10 Aug 1997 21:24:16 -0400 (EDT)  
From: MNHopkins@aol.com  
To: QRP-L@Lehigh.EDU  
Subject: [24653] F/S/T 10M AM QRP aka ex-CB  
Message-ID: <970810212411\_1385175553@emout05.mail.aol.com>

This expertly converted and tuned 40 ch PLL Sharp CB-2460 tunes 28.965 to 29.405 which covers all the AM activity, but if you work a Boatanchor type tell him its a Johnson Ranger with a National RX. Those old timers hate ex-CBs even though they cannot tell when they hear them.

Rig is clean and in original box with mic. and a copy of the Sam's,: Just the thing for commutes. I will post it to one of the 48 for \$30 or trade it for anything relating to 6M.

QRU? de ab5l, michael in dallas, MNHopkins@AOL.com

-----  
Date: Sun, 10 Aug 1997 18:46:56 -0700  
From: Jerry Parker <jparker@fix.net>

To: qrp-1@Lehigh.EDU  
Subject: [24654] Dan's Does it AGAIN!  
Message-ID: <2.2.32.19970811014656.0069c998@fix.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Yes, Dan has done it again.

He has put up a new large list of goodies at very low prices and he is letting you take 25% off the listed prices on these August listings too.

He has also posted four super red hot specials, check them out at:

<http://www.fix.net/dans.html>

Enjoy,,,Jerry...K

-----  
Date: Sun, 10 Aug 1997 21:59:06 -0400 (EDT)  
From: "Mark S. Adams" <msadams@acsu.buffalo.edu>  
To: QRP Fanatics <qrp-1@Lehigh.EDU>  
Subject: [24655] Great QRP Collection FS!!  
Message-ID: <Pine.GS0.3.96.970810214917.5918A-1000000@joxer.acsu.buffalo.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Gang,

Just got back from a long weekend at the cottage. And what a thrill it was to work K0FRP, Al, while he was also /P. We did it 1W to 500 mW, CO to NY. It does not get better than this!

OK, here is the deal. My QRP compadere, Dave, AA2PF, has the following reading materials for sale. All are in pristine condidtion. He will only sell the whole lot. No piece-by-piece sales. He will also horsetrade for QRP gear. Price/trades are negotiable with Dave. He is a good guy (my opinion :-))

Here is the list:

★"The Joy of QRP" by Adrian Weiss

- \*W1FB Design Notebook by who else, Doug DeMaw
- \* QRP Quarterly 1987-1997 COMPLETE
- \* QRPP, 5 issues between 1994 and 1995
- \* SPRAT, 10 issues between 1992 and 1995
- \* HW-8 Handbook by Mike Brice (doodling on cover (-: ))

If you are interested in the lot, please call Dave, not me, between 5PM and 1130 PM EST at 716-826-7740.

This is your chance to start a nice collection in one shot, or fill in some holes. Again, call Dave directly.

72, Mark N2VPK  
Member of the Buffalo QRP Connection

-----  
Date: Sun, 10 Aug 1997 19:55:24 -0700  
From: Norm Melick <henmel@worldnet.att.net>  
To: QRP-L <qrp-l@Lehigh.EDU>  
Subject: [24656] Power Supply  
Message-ID: <33EE7F1C.133E@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hello All,

In preparation for the fall foxhunt, I built a variable power supply. I am using a digital meter that uses 9V to run the display. The display works perfect as long as I use a 9V battery. When I try to hook it into a 9V tap from the power supply, the meter fails. It appears that the meter is designed this way on purpose. I have spent all weekend pouring over circuit designs from ARRL, etc., and I find nothing designed with a digital display. They all use analog displays.

My question to the group is: Can anyone direct me to an article, or help me build a circuit that would "appear" to be separate from the power supply, and eliminate the need for a battery to run the meter? It appears that a separate ground is going to be the key.

Thanks in advance for your time.

Norm/KF6HSK



-----  
Date: Sun, 10 Aug 1997 23:38:48 -0400  
From: Ken Newman <n2cq@comten.com>  
To: QRP-L@Lehigh.EDU  
Subject: [24657] Re: QRP Club Callsigns  
Message-ID: <1.5.4.16.19970811033420.245f4790@mail.comten.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I have contacted WA2VBO who went to the procedure to get their NQ2RP callsign. He was very helpful in doing it. Copy of the details sent to George H. The bad news: No legal Q signals for a suffix [no W2QRP etc]. It is ok in Canada but not here for now.

Soooo...

Let's rephrase the idea: Do ya'll want a callsign? We may get KC2XXX or similar.  
If so, then it is possible to change it to.. say.. KQ2RP or WQ2RP.  
Or.. another one like 5 characters?

What Say?

72 de Ken Newman - N2CQ  
Woodbury, NJ  
N2CQ@comten.com  
72/73,  
Ken Newman, N2CQ  
Woodbury, NJ  
N2CQ@Comten.com

-----  
Date: Sun, 10 Aug 1997 23:58:08 -0400  
From: "KFGlynn" <KFGlynn@prodigy.net>  
To: <aa4xx@ipass.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [24658] Re: QRPizzah Invasion Possible  
Message-ID: <199708110356.XAA46470@mail1y-int.prodigy.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hi Paul and Gang,

Don't you guys know that the BEST pizza is found in Brooklyn? Actually, I

was weaned on the stuff from Brooklyn, NYC, but my favorite pizza joint is in Staten Island, NYC named Deninos. And the best Italian Ices are found at Ralph's across the street.

Hey Paul are those Two Guys from Brooklyn?

72 Kevin N2T0

Kevin F. Glynn, N2T0  
Brooklyn, NYC  
KFGlynn@prodigy.net

Date: Mon, 11 Aug 1997 01:04:45 -0400  
From: Ed Tanton <n4xy@bellsouth.net>  
To: henmel@worldnet.att.net  
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [24659] Re: Power Supply for DVM  
Message-ID: <3.0.1.32.19970811010445.00bef770@mail.atl.bellsouth.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi Norm... 1st I'd try isolating the panel meter's + supply with a series 1N4004... when that doesn't work, I believe you can use a FW diode bridge off the AC secondary, give it its own filter cap, and regulate as necessary to 9 VDC. All the while keeping the entire supply isolated (DC-wise) from the 'normal' DC including ground. Use a 0.1/0.01/0.001 set of bypasses to put BOTH sides of this isolated DC at RF ground. I THINK this will work OK. I usually use an entirely separate supply myself because it can stay 'ON' all the time, providing the 'ON' voltage for any solid state relays and such. All such supplies are AFTER the fuses and EMI filtering.

I think the isolating diode will work for voltage measurements... maybe not. I will NOT work for current measurements. It is possible the bridge circuit I described will work in that case, but-as I said-I have never tried it since I use that separate supply. You might consider stocking up on some small transformers capable of CCS service to do things like this. I found some very nice MIL DC 20 VDC 20 mA hermetic supplies once at M.P. Jones that I use for this... bought a bunch with things like this in mind.

72/73

Ed Tanton    N4XY                      EMAIL: n4xy@bellsouth.net  
189 Pioneer Trail  
Marietta, GA   30068-3466          TEL: (770)579-3933 V/MBX/FAX

QRP-ARCI #7663      G-QRP #6779      OK-QRP #172      QRP-L #758  
AdvRC #140      NORCAL #1779      NCDXF      SEDXC

Life Member:      ARRL      AMSAT      INDEXA      QCWA

-----  
INTERESTS: DX    QRP    BoatAnchors    Test Equipment    Photography  
CW: 99.9%    QRP: 95-100% (Mood swings!)    Mercury Paddle #0214

~~~~~  
"Think you can, think you can't: either way you're right!"      Henry Ford  
~~~~~

-----  
Date: Sun, 10 Aug 1997 22:08:50 -0700  
From: Glasscock Family <glass@televar.com>  
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>  
Subject: [24660] Re: summer doldrums/scratch building & Source for Books  
Message-ID: <01BCA5D9.FF4DB420@prosseruser021.televar.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

Another source for out-of-print books is Powell's bookstore, Portland, OR.  
Found at:  
<http://www.powells.portland.or.us>

They have several books by John Lenk but NOT "Handbook of Simplified Solid-State Circuit Design".

Joe  
KC7WUE

-----  
Date: Sun, 10 Aug 1997 23:40:32 +0000  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: qrp-l@Lehigh.EDU  
Subject: [24661] (Fwd) For CQCBB on the Web.  
Message-ID: <199708110541.XAA14143@bobcat.sni.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

----- Forwarded Message Follows -----

From: W0HEP@aol.com  
Date: Fri, 8 Aug 1997 21:30:49 -0400 (EDT)  
To: cqcb@emtechnologies.com  
Subject: For CQCBB on the Web.

Low Down #22 is in the works now.

Here are some of the articles that will appear in the next Low Down:

Homebrewing the Sierra (pictures included)  
- Nick Hulbert KG5N  
Antennas from the Ground Up - Part 6  
But My Yard's Too Small or a 102' Center-Fed Multi-Band  
Dipole Data Compendium -- L.B. Cebik, W4RNL  
??? - Paul Harden, NA5N  
Building Your First Transceiver Kit - Ten Tips for the  
First-Time Builder - Rob Capon, W3DX  
A Current-Limited Battery Controller - Marshall Emm, N1FN

Review: Emtech Z-Match Antenna Tuner Kit  
- Marshall Emm, N1FN

QRP to the Field 1997 - Mark Meyer, WUOL  
Hammin' on the Go - Dick Schneider, ABOCD

CQC Top Ten ... Great Things About QRP in Colorado  
The Doctor is Destinated  
The W3EDP Antenna and 70 Years of DX - Yardley Beers, WOJF

and more.....

The Low Down is printed bi-monthly and is available to members only.  
Membership is open to all amateurs. The dues are \$10 per year (U.S.)  
and

\$12 (Outside U.S.). \*\*\*\*\* Note \*\*\*\*\* The dues will increase on  
September 1, 1997 to \$12 (U.S.) and \$15 (non-U.S.) Additional family  
members at the same address remains at \$2 per year. Dues should be  
sent to:

Colorado QRP Club, POB 371883, Denver, CO 80237-1883. Please include  
name,  
call, address, phone, e-mail address, packet address, class of license  
and ARRL membership status.

Address CQC inquiries to: rschneid@ix.netcom.com or to CQC@aol.com.  
Address Low Down mail to CQCLOWDOWN@aol.com.

On-line CQC membership application is at  
<http://www.emtechnologies.com/mthome/cqc.htm>

-----  
Date: Mon, 11 Aug 1997 03:03:43 -0400  
From: Anders Wandahl <aw@lib.kth.se>  
To: qrp-1@Lehigh.EDU  
Cc: gqrp-1@blacksheep.org  
Subject: [24662] QRP-DX-Exp. to OH0  
Message-ID: <3.0.16.19970811090215.213ffc20@kthbib.lib.kth.se>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

QRP Expedition to OH0 (Aland Island)  
-----

I will be active from OH0 Aug 14th - 17th as OH0/SM0HPL.

We will be 7 ops, but 5 of us will certainly not work QRP.

(also listen for SMOGNS, he will most likely be QRP).

Modes: mainly CW, but SSB or RTTY is possible on demand.

Frequencies: the usual - 3560, 7030, 10116, 14060 and so forth, +  
RS12-satellite.

Times: anytime

Rigs to be used: QRP+, NorCal 40, NorCal 38S (0-5 W)

Antennas: 5/8 vertical for 20M, dipoles and if possible a Sky Loop.

I would very much appreciate calls from the other side of the Atlantic.

Will be active on 14060 2100Z ---> for you. Hope that the condx are with us!

More info about the expedition on <http://www.mistra.se/oh0/index.htm>

Hope to hear from you...

72's

Anders SM0HPL

-----

Date: Mon, 11 Aug 1997 06:09:16 -0400  
From: Bill Meara <wmeara@erols.com>  
To: qrp-l@Lehigh.EDU  
Subject: [24663] 11 volts from 12 volt regulator!  
Message-ID: <199708111011.GAA03898@smtp2.erols.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

I just put the finishing touches on my (supposedly!) 12 VDC QRP station power supply. Circuit is VERY simple: 18 volt (2 Amp) transformer to a 2000 Mfd (50 Volt) filter cap to a Radio Shack 7812 12 VDC voltage regulator.

Problem is that the output voltage is only about 11.1 volts.

Has anyone seen this problem before? What do you think, bad component?

I also notice that the regulator gets quite hot. I put a fairly large heat sink on it and I don't seem to get to the thermal shut down point (even when pulling around 1 amp through it.)

Any suggestions?

73 de N2CQR  
Bill Meara, Falls Church, Virginia  
wmeara@erols.com  
<http://www.mindspring.com/~johnmb/billm.htm>

-----  
Date: Mon, 11 Aug 1997 06:35:59 -0400  
From: K4AHK@ix.netcom.com  
To: qrp-l mail <qrp-l@Lehigh.EDU>  
Subject: [24664] Cmos III Keyer  
Message-ID: <33EEEB08.6973@ix.netcom.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Where do I find info on the Cmos III keyer?

Who is Idiom Press?

Bill - K4AHK  
k4ahk@ix.netcom.com

-----  
Date: Mon, 11 Aug 1997 07:14:11 -0400  
From: n1pwu@juno.com (Robert K Berlyn)  
To: QRP-L@Lehigh.EDU  
Subject: [24665] Re: 11 volts from 12 volt regulator!  
Message-ID: <19970811.071412.3414.0.N1PWU@juno.com>

Bill,

Check that the regulator is not in the circuit backwards. That, is the Vin goes to the 18V side of the circuit and Vout goes to the output side. I know it sounds simple might might be your problem. I just had the intern at the office do that with a 78L05 regulator and it exhibited the same sort of problem you described.

Hope this helps

Bob

N1PWU                      QRP-L # 161                      NE-QRP # 226  
East Greenwich, RI  
[HTTP://www.businesson.com/HAMPARTS](http://www.businesson.com/HAMPARTS)

-----  
Date: Mon, 11 Aug 97 08:44:00 EST  
From: "Pat A. Taber" <pat@vtpo1.genrad.com>  
To: "'qrp-l@lehigh.edu'" <qrp-l@Lehigh.EDU>  
Subject: [24666] RE: DB. help for contest.  
Message-ID: <33EED157@msgate>

>I was working on a nice set of equations, but they weren't  
>matching the reality I've seen in contest operations and scoring.  
Classes  
>look like the best answer; competing with people with similar equipment.

Fixing contests is a favorite topic of mine. On a cold winter's night I love to sit by the fire reading the latest proposal for "a level playing field" in the various contest journals and tear out each read page to watch it curl cheerily in the flames until it floats up the chimney to level an orphanage somewhere... I've often fantasized about winning Sweepstakes in the "100 watt, slow code, computer-assisted logging but sending with a hand key, time off for getting the kids to lessons, cruddy

dipole in the attic, nothing but ocean to the right of me" class. But it will probably never happen. There is, of course a conspiracy of some sort afoot. The ruling class says if you want to win you have to compete and if you choose not to compete (or can't afford to compete,) then you won't win. It's a cold world out there.

Some people predict the death of contesting if we don't accommodate many classes, but I think Sweepstakes really did the right thing: the offer a participation pin that's attainable even by my station -- it's completely funded by the folks who want one and gives us Sunday testers \*something\* in return for participating.

Classes, like some political philosophies, are intellectually appealing, but don't pan out in life.

>[ Authenticate: dolphin. The dingos smell the wallabies ]  
Rain on corn is sad.

>>>=>PStJTT (KC1TD)

-----  
Patrick Taber  
Senior Principal Software Engineer  
GenRad Technologies  
Westford, MA 01886

508-589-7399  
taberp@genrad.com

-----  
Date: Mon, 11 Aug 1997 07:01:06 -0600  
From: Greg Newberry <newberry@cyberhighway.net>  
To: QRP-L Listserver <qrp-l@Lehigh.EDU>  
Subject: [24667] How to paint PCB  
Message-ID: <33EF0D12.7584@cyberhighway.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi,

In all the tips i've seen about making enclosures out of PCB's I haven't seen anything about painting them. Anyone want to share their success with me? I've tried but it seems the paint doesn't adhere to the copper



well. What paint/primer works best? Maybe appliance epoxy paint?

Thanks

Greg

-----  
Date: Mon, 11 Aug 1997 09:05:07 -0400  
From: Bill Crowley <bcrow@Carte.Net>  
To: launerb@crl.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [24668] Re: Secret CQC Meeting  
Message-ID: <33EF0E03.3AC@carte.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

It wasn't a Budweiser umbrella that they met under. It was an Anheiser bush.

72/73 de Bill, K1NIT

-----  
Date: Mon, 11 Aug 1997 07:03:47 -0600  
From: Greg Newberry <newberry@cyberhighway.net>  
To: QRP-L Listserver <qrp-l@Lehigh.EDU>  
Subject: [24669] GAP Principals (Antenna)  
Message-ID: <33EF0DB3.6435@cyberhighway.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi gang,

I read a little blurb about the GAP antenna and how the developer stumbled onto this 'GAP' accidentally. Does anyone know how it really works and if it can be applied to other antenna setups?

Thanks

Greg

WB7DUO



Graphics by Loek Frederiks

-----  
Date: Mon, 11 Aug 1997 07:44:33 -0600  
From: ji3m@maxwell.com (James R. Duffey)  
To: qrp-1@Lehigh.EDU  
Subject: [24671] Been There Done That  
Message-ID: <v02130501b014c6b3ef35@[192.31.66.229]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Brian - Well this means just what it seems. The speaker has already done what is being proposed. I first heard it with the additional line; Been there done that, got the T Shirt. I always thought it referred to running and the overpopulation of 10 K events, but it could be applied to tourism in general.

It usually is used in a connotation that is somewhat negative, i. e. I've done that and had so many problems I don't want to do it again, but I really think it started out as meaning "I've already done that lets try something new." Hope this helps.

James R. Duffey (505) 764-3143  
Principal Scientist (505) 843-7995 (FAX)

Maxwell Technologies Incorporated/Albuquerque Division  
Suite 300  
2501 Yale Blvd SE  
Albuquerque, NM 87106

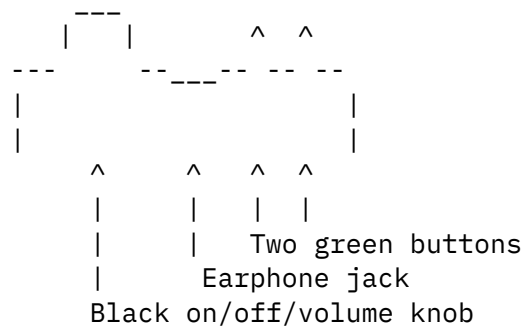
-----  
Date: Mon, 11 Aug 1997 08:39:37 -0500  
From: Marty <mlp@flash.net>  
To: qrp-1@Lehigh.EDU  
Subject: [24672] Help with instructions on this device...  
Message-ID: <33EF1619.71DF@flash.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hope you folks can help me. A couple of years ago I bought a code practice device at a swap meet, and I've lost the instructions to it.

If anyone has a copy of the instructions I'd sure like to get it so I can use the thing to get my code speed up. Or if someone can identify the maker perhaps I can get a copy from them.

The problem is, I don't know who made it, and there are no identifying marks on it anywhere, so I'll have to describe it.

It is about the size of a pack of cigarettes, 2.25 x 3.75 x 1 in, black in color. It is powered by a 9v battery which is held in a space behind a cover on the bottom of the unit. It has an on/off/volume knob, an earphone jack, and two momentary action switches (green) along the top. These are laid out in this pattern:



I remember that by pushing one of the green pushbuttons a certain number of times you could increase the code speed (I think in 2 wpm multiples) and there were ways you could arrange it to put out characters in groups or random OSOs.

Any help would be greatly appreciated.

Marty Porter  
N5SXV

Date: Mon, 11 Aug 1997 09:22:12 +0000  
From: rwilcox <rwilcox@newton.cacky.com>  
To: qrp-1@Lehigh.EDU  
Subject: [24673] Californis Visit  
Message-ID: <9708111419.AA16449@newton.cacky.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII  
Content-Transfer-Encoding: 7BIT

All

I will be in the Long Beach area this week on business. Are there any interesting radio stores, surplus dealers etc in the Long Beach area.

thanks es 73's  
Gary KE4VUN  
Gary Wilcox  
Commonwealth Aluminum

-----  
Date: Mon, 11 Aug 1997 09:40:50 -0500  
From: tahrens1@juno.com (Timothy H Ahrens)  
To: qrp-1@Lehigh.EDU  
Subject: [24674] Companions Progress (final)  
Message-ID: <19970811.094052.3486.0.tahrens1@juno.com>

It's done!

Got the battery charger circuitry built up and set for 13.2 volts..  
charges great, & stops at proper voltage.

Operation: talked to a w8 last night in New Mexico.. seems to work ok, although I sometimes find that the null is not really the lowest SWR, and there are several combinations of L & C that will give a null, although it may not be the 'best' null, swr wise. I was using it with a 135' dipole fed with 450 ohm ladder. I played a little with a long wire, but didn't try and operate with it.

For those of you who have a companion, and have a minute, would you give me your experiences of operation of yours? How well does it do on a random length of wire, on a dipole that is close to resonance, etc.

This will be the last posting on this project (hooray eh?)

Just thought some folks would be interested in the 'scratch' building aspects of the project.

The PCB enclosure system works FANTASTIC! Now I know what I'm gonna put the 38s into!

Thanks for the BW!

Tim W5FN

-----  
Date: Mon, 11 Aug 1997 11:03:12 -0700  
From: Charles Kadesch <chas@nmaa.org>  
To: qrp-l@Lehigh.EDU  
Subject: [24675] Dan's MPF131  
Message-ID: <33EF53E0.4610@nmaa.org>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I noticed Dan has MPF131 dual gate MOSFETs on sale. I can't find any data on them in my Motorola Selection Guide. Does anyone know more about them? I am wondering if they might do as replacements for the now hard to find (and expensive) 40673 which are used in numerous QRP circuits (QRP Notebook etc.)

-72-

Chas W3KC  
chas@nmaa.org

-----  
Date: Mon, 11 Aug 1997 10:18:05 +0000 (GMT)  
From: Jim Glover <psykey@okcforum.org>  
To: qrp-l@fidoii.CC.lehigh.EDU  
Subject: [24676] Re: QRP Clubs?  
Message-ID: <199708111018.KAA07684@okcforum.org>  
Content-Type: text

> Greetings, (or Howdy Critters, or Far Out, or whatever...)

And hello to you, Brian!

> I think I may be interested in joining a "QRP Club."  
> QRP is not the only aspect of the hobby that I enjoy,  
> but building things, experimenting, operating portable,  
> operating mobile, doing things simply and inexpensively  
> etc are all things I've done over a long period of time.  
> (Though I've invested in some expensive -to me- items, too.)

Your philosophy sounds very similar to mine! After 15 years

absence from HF, I decided recently to put an HF station together. I joined QRP-L because I figured that doing things simply and inexpensively (a requirement, in this case) would mean that I'd be running low power. As it turns out, I found a Heathkit HW-101 at a hamfest for \$100, so I ended up with 5 bands, both CW and SSB, and QRO power, too (fortunately, the HW-101 has variable output power on CW, so I can still go QRP). I couldn't pass up getting all that for just a bit more money than I expected to spend to be on one band, CW only, with QRP.

My antenna is a 40-foot wire, end-fed with balanced feedline, at about 15 feet. Until I can do something much better for an antenna, I'll probably continue to run well over 5 watts (though often, well under 100 watts) most of the time. So, as it turns out, I won't be QRP most of the time (unless we count ERP!), but I'm still thrilled to belong to QRP-L. It turns out that there is a lot that QRP'ers are often concerned with, that interests me. You mentioned most of them...doing things simply and inexpensively, homebrew, and operating portable. Plus, running QRP encourages us to pay more attention to factors such as good antennas, and good operating practices. I've found this list to be an inspiring source of information and ideas that apply to many aspects of my interest in ham radio.

> And, if 73 is best regards, is 72 a bit less than best regards?

(I'm still wondering too!)

> I've been told things are either in tune with or not in tune  
> with "QRP Philosophy." What is this? If it feels good do it

Exactly! Just last night, I had a minor realization in keeping with this philosophy. Now that I'm working HF again, and making a contact or two every evening, I have a growing list of states that I've worked. The idea of trying to achieve WAS sounds like fun...but chasing the QSL cards, and getting them in order to send in with an application, does not. So, as I realized last night...why not just keep a list of states I've worked, so I'll know when I've worked 'em all? Who cares if they're "verified" or not! When I tell people I've worked all 50 states in the US, if they don't believe me without "proof" in the form of a certificate...who cares!? This is supposed to be fun!

> Do all QRPers have ego problems or just the ones I met? :)

Don't know about "problems" ...but a large chunk of the interesting people I've met in most of my hobbies and

professional pursuits, are not lacking in the ego department.  
All things considered, they tend to be the most fun to hang  
out and interact with, so, I don't complain! :)

> Is there a club for folks who dislike clubs? Never did sign  
> up for the procrastinators' club.

When I was in high school, some friends of mine organized  
the Magnolia High School Apathy Club. After one meeting,  
it was disbanded--due to lack of interest, of course!

Good luck finding those QRP clubs, Brian! (Getting together  
with the local QRP group is on my medium-priority ham radio  
agenda, too.)

--Jim

-----  
Date: Mon, 11 Aug 1997 11:16:22 -0700  
From: Jim <kw3u@warwick.net>  
To: qrp-l@Lehigh.EDU  
Subject: [24677] relisting two rigs  
Message-ID: <33EF56F6.12F1@warwick.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Hi and sorry but the hw-8 and 9040 I thought were sold are not.  
So I wud like to post once more.

1. HW-8 very nice and recent(bout a year) repair and  
alignment by RTO electronics -- \$130 shipped.
2. MFJ-9040 40mtr with no options in mint condx w manual  
asking \$110 shipped.

tnx JIM KW3U

-----  
Date: Mon, 11 Aug 1997 11:33:13 -0400 (EDT)  
From: Bernie Doehner <bad@uhf.wireless.net>  
To: qrp-l@Lehigh.EDU  
Subject: [24678] computer fever has stricken.. Selling radio gear  
Message-ID: <Pine.BSF.3.95.970811111119.897C-100000@uhf.wdc.net>  
MIME-Version: 1.0



Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Gang:

Sorry to say, my addiction to very fast computer hardware has gotten the better of me and I am selling off radio gear to finance my addiction (my goal is to build a dual-Pentium Pro 200 Unix Server).

So, I have the following for sale:

NJQRP Rainbow Tuner. Unbuilt, bag unopened.  
\$28 shipped CONUS (OBO).

LDG QRP Autotuner. Built, Condition Good/used, with manual.  
Asking \$104 shipped CONUS.

NorCal Cascade, 20,80 Meter QRP SSB Rig. Condition Good/used, with manual.  
Asking \$204 shipped CONUS.

73

Bernie nu1s

-----  
Date: Mon, 11 Aug 1997 11:57:28 -0400  
From: Ken Newman <n2cq@comten.com>  
To: G.Heron@dialogic.com  
Cc: QRP-L@Lehigh.EDU  
Subject: [24679] RE: "QRP" Clubs Calls  
Message-ID: <1.5.4.16.19970811155256.1877882c@mail.comten.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

OK George... Sounds like a great plan. I accessed the Buckmaster Web Page this morning to see what is available:

NQ2RP: Yes, it is assigned to Keith's club in Bergen, NY

NJ2RP: Available. I like it! Pronounce the 2 differently and you have the club name!

WQ2RP: Availavle. Current format for several clubs.

KQ2RP: Available. Same

x2NJ: All used, W/K/N.

W2NJQ:Available

K2NJQ:Available

N2NJQ:Used

More there at Buckmaster site for the membership to check out:  
[http://www.buck.com/cgi-bin/do\\_hamcall](http://www.buck.com/cgi-bin/do_hamcall)

Have fun!!!!

72/73,  
Ken Newman, N2CQ  
Woodbury, NJ  
N2CQ@Comten.com

-----  
Date: Mon, 11 Aug 1997 11:01:59 -0500 (CDT)  
From: Bill Howell <bhowell@mail.utexas.edu>  
To: qrp-l@Lehigh.EDU  
Cc: shortckt@primenet.com  
Subject: [24680] Re: FT-7 no xmit  
Message-ID: <199708111601.LAA00742@mail.utexas.edu>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Brian K. Short Wrote:

" The  
guy who sold me this said he used it only for receive.  
I imagine that is Usenet slang for transmit section fried.  
Perhaps I'll get around to powering one up tomorrow.)"  
>>>>>>SNIP<<<<<<

Brian...if you find you have no xmit, unplug the relays (three  
in all, I think). Take off their little plastic covers, and  
clean the contacts. I believe one of these switches +12 V  
to the final(s). This cured one I worked on a while back.

Try the relay trick before going in and replacing parts.

Bill Howell  
University of Texas at Austin  
Performing Arts Center  
Electronic Maintenance  
N5ALO QRP-L #415

belief preceeds experience

-----  
Date: 11 Aug 1997 12:00:48 -0400  
From: Glen Leinweber <leinwebe@mcmail.CIS.McMaster.CA>  
To: qrp-1;;  
Subject: [24681] battery abuser question?  
Message-ID: <1997Aug11.120048-0400@[130.113.234.7]>

Well, you can accuse me of "battery" on my battery, a small 12 v lead-acid car battery (45 A-hr). Left it out in the cold (over winter) in a slightly discharged state.

Re-charging was interesting...musta been in a snit, because it refused to accept current for a while, even up to 15volts. Then it got hungry, loading the (1-amp current-limited) charger down to 5volts.

After a few days, it happily bubbled hydrogen, but only on three cells. No gas from the other three. While charging, did see a short burst up to 10v, but only for a few seconds. Its now putting out 6v.

Any chance of coaxing those three cells back to life? How to do it?

Glen VE3DNL leinwebe@mcmaster.ca

-----  
Date: Mon, 11 Aug 1997 11:08:37 -0500  
From: launerb@crl.com (William H. Launer)  
To: Bill Crowley <bcrow@Carte.Net>  
Cc: qrp-1@Lehigh.EDU  
Subject: [24682] Re: Secret CQC Meeting  
Message-ID: <v01530508b014e6f259fa@[192.0.2.1]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

>It wasn't a Budweiser umbrella that they met under. It was an Anheiser  
>bush.

Even the bushes are disguised as umbrellas. This really is a sneaky bunch!!

72/73, Bill wb0cld

Bill Launer  
St. Charles, MO

launerb@crl.com  
wb0cld@wb0cld.ampr.org [44.46.66.25]  
qrp-l #279            qrp arc1 #3551  
Grid Square EM48RT

-----  
Date: Sun, 10 Aug 1997 16:45:15 -0600  
From: Brad Mugleston <bmug@gwl.com>  
To: "'qrp-l@lehigh.edu'" <qrp-l@Lehigh.EDU>  
Subject: [24683] Map Help  
Message-ID: <01BCA62F.00BD2200@pps-pc10.gwl.com>  
Content-Type: text

SRV for the bandwidth but I've seen it here before. I'm looking for a web site that will give me a street map for any given address.

Thanks

de KBOROL, Brad

-----  
Date: Mon, 11 Aug 1997 12:19:46 -0400 (EDT)  
From: PDouglas12@aol.com  
To: QRP-L@Lehigh.EDU  
Subject: [24684] QRP SSTV?  
Message-ID: <970811121828\_1516293929@emout06.mail.aol.com>

Hi Gang,

I thought I would report back about a non-cw activity I have been fiddling with for over a year. I have been trying with little success to send pictures via slow scan--the receiving part has been relatively easy with the simple interface circuit that is ubiquitous (AKA the Hamcomm interface because it works with the Hamcomm RTTY programs). But sending has been a bear because of a combination of computer (my old, departed, not lamented 386 was a big part of the problem) and RF feedback problems. Reports have been terrible--people said things like, "I can see you are sending video, but I can't see any useable picture--too much noise/RF on the signal." Ugh, it was so frustrating. I never run more than a hundred watts in the shack (on CW, I don't think I have been over 5 watts in many years now), but the RF was

killing me, even at QRP levels. Finally, shielding, grounding, and a new fast computer in the shack (the latter being the real cure) have combined to give me a working two way SSTV system. Sending and receiving pictures this past weekend on the SSTV Saturday net (14.230 MHz) was the same kind of thrill as we all get when a new homebrew rig snags its first contact.

As usual, I find that I don't miss having a pair of 8844s, and that 100 watts is plenty, even for slow scan. Nobody complained about weak sigs, and the resends of my own pics looked really nice. What a thrill.

So, just to remind you folks, even though CW is still the prominent mode around these parts (and my first love too) there are a lot of other fun things to do out there. And you still don't have to run big power to do them. For those who are interested in the details, I am using Pasokon Lite (\$30.00), a one chip HB interface (circuit board from Far Circuits) (cost maybe 15 bucks with cast aluminum RF-proof box) and a 486 DX4/75 hand-me-down from the family room. And damn, it works!

72,

Preston WJ2V

-----  
Date: Mon, 11 Aug 1997 12:24:38 -0400 (EDT)  
From: Chris Cartwright <ccart@dns.vidtel.com>  
To: QRP Reflector <qrp-l@Lehigh.EDU>  
Subject: [24685] Re: battery abuser question?  
Message-ID: <Pine.LNX.3.93.970811121557.1086C-1000000@dns.vidtel.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On 11 Aug 1997, Glen Leinweber wrote:

> Any chance of coaxing those three cells back to life? How to do it?

Some automotive places used to have "battery additives" for dead cells in car batteries, a powder as I remember. It was supposed to open shorted cells and a bunch of other things. There are also some "home remedies" I've heard of, Coca-Cola, baking soda (this would HAVE to foam up and not work) and vinegar. I've never tried any of these and having seen one car battery blow up I'm not anxious to experiment. I just use garden tractor batteries ( <\$20 in the spring, and about 40Ah ) and recycle them after about two years. I suppose you could drain and refill the electrolyte (dangerous/messy) but it seems that those three cells are shorted and

probably won't come back :( Good luck, and 72

```
-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV QRP WAS 17/9 (w/c) | ccart@erols.com --
-- QRP-L #655 NORCAL #1891 QRP-ARCI #???? | http://dns.vidtel.com/~ccart --
-- WIMPS Q's=04 30M=04 17M=00 12M=00 STATES=03/00/00 DX=00/00/00 QSL's=00 --
```

-----

Date: Mon, 11 Aug 1997 12:25:51 -0400  
From: "L.C. Chadbourne" <lynnnc@ibm.net>  
To: qrp-l@Lehigh.EDU  
Cc: lynnnc@ibm.net  
Subject: [24686] Headphones, where to get  
Message-ID: <33EF3D0F.64CB@ibm.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

I recently got my OHR-100 back from alignment. It include a note to "Use  
Only (underlined)! 8 ohm Headphones . . ." I've checked local sources  
and can't find any. Anyone know where I can order a pair?  
Thanks in advance.  
N5LC  
--

-----

Date: Mon, 11 Aug 1997 12:26:10 -0400 (EDT)  
From: "Paul R. Valko" <prvalko@oakland.edu>  
To: Jim Glover <psykey@okcforum.org>  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [24687] Re: QRP Clubs?  
Message-ID: <Pine.OSF.3.95.970811120610.23743A-1000000@vela.acs.oakland.edu>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 11 Aug 1997, Jim Glover wrote:

> together. I joined QRP-L because I figured that doing things  
> simply and inexpensively (a requirement, in this case) would  
> mean that I'd be running low power. As it turns out, I found  
> a Heathkit HW-101 at a hamfest for \$100, so I ended up with

Gee... am I the only ham that tenses up when QRP is mentioned in the same phase as inexpensive/cheap? Anyone bother to price a NEW QRP+ or a ten year old TenTec 515 recently?

> And, if 73 is best regards, is 72 a bit less than best regards?

Actually, 72 is a DIT less (and a DAH more) than 73. By the way, do you know that 73's is, "Best Regardses?"

> fun...but chasing the QSL cards, and getting them in order to  
> send in with an application, does not. So, as I realized last  
> night...why not just keep a list of states I've worked, so I'll  
> know when I've worked 'em all? Who cares if they're "verified"

That's me with DXCC and some of the VHF awards.

> > Do all QRPers have ego problems or just the ones I met? :)

Tough call... most QRP ops are quite HUMBLE, far more so than the typical ham with kilo-dollar stations, amps and yagis. Unfortunately, operation achievement awards are a seductive force. I think the QRP op that establishes a 1000 mile-per-watt QSO should think about getting the op on the FAR END of the contact the award, instead of just thinking of ourselves. Could you imagine the GOOD publicity this would generate among the QRO crowd?

> When I was in high school, some friends of mine organized  
> the Magnolia High School Apathy Club. After one meeting,  
> it was disbanded--due to lack of interest, of course!

My high-school physics "club" was all the NHS rejects. We mainly got together on Thursday nights to eat pizza, copy lab notes, and watch Monty Python on PBS.

73! =paul= W8KC  
Collector of Ten\*Tecs and other fine plastics

[www.acs.oakland.edu/~prvalko](http://www.acs.oakland.edu/~prvalko)  
>

-----  
Date: Mon, 11 Aug 1997 09:39:53 -0700  
From: "Al Hunter" <ahunter@inland.net>  
To: <qrp-l@Lehigh.EDU>  
Subject: [24688] FS NC38S, etc.

Message-ID: <199708111643.JAA12764@ns1.inland.net>  
MIME-Version: 1.0  
Content-Type: multipart/alternative;  
boundary="----=\_NextPart\_000\_0000\_01BCA63A.8590BAE0"

This is a multi-part message in MIME format.

-----=\_NextPart\_000\_0000\_01BCA63A.8590BAE0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

NorCal 39S...custom beige finish steel case 2-1/4x4x6...5 watt =  
mod...trimmer to set low band edge...no RIT...8 to 1 reduction vernier =  
drive dial...w/manual....many contacts with attic dipole. \$50.00 plus =  
shipping.

Brown Bros. paddle model BTL....heavy black wrinkle finish base...red =  
paddles...chromed machined parts...excellent condition... \$45.00 plus =  
shipping.

Payment by cashier's check or US Postal Money order only. Reply by =  
e-mail direct.

73...A1...AA6S0

-----=\_NextPart\_000\_0000\_01BCA63A.8590BAE0  
Content-Type: text/html;  
charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

<!DOCTYPE HTML PUBLIC "-//W3C//DTD W3 HTML//EN">  
<HTML>  
<HEAD>

<META content=3Dtext/html; charset=3Diso-8859-1 =  
http-equiv=3DContent-Type>  
<META content=3D'"MSHTML 4.71.1008.3"' name=3DGENERATOR>  
</HEAD>  
<BODY bgColor=3D#ffffff>  
<P><FONT color=3D#000000 face=3DArial size=3D2>&nbsp;NorCal 39S...custom =  
beige finish=20  
steel case 2-1/4x4x6...5 watt mod...trimmer to set low band edge...no =  
RIT...8 to=20  
1 reduction vernier drive dial...w/manual....many contacts with attic =  
dipole.=20  
\$50.00 plus shipping.</FONT></P>





Good luck and 73

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

-----  
Date: Mon, 11 Aug 1997 12:40:05 EDT  
From: w4bws@juno.com (Donald E Sanders)  
To: newberry@cyberhighway.net  
Cc: qrp-1@Lehigh.EDU  
Subject: [24690] Re: GAP Principals (Antenna)  
Message-ID: <19970811.124930.5111.4.W4BWS@juno.com>

Yeh, GAP has experimented with a GAP beam. I believe they have a paper on how it works if you contact them.

DON w4bws@juno.com

On Mon, 11 Aug 1997 07:03:47 -0600 Greg Newberry

<newberry@cyberhighway.net> writes:

>Hi gang,

>

>I read a little blurb about the GAP antenna and how the developer  
>stumbled onto this 'GAP' accidentally. Does anyone know how it really  
>works and if it can be applied to other antenna setups?

>

>Thanks

>Greg

>WB7DUO

>

>

-----  
Date: Mon, 11 Aug 1997 12:40:05 EDT  
From: w4bws@juno.com (Donald E Sanders)  
To: aa4xx@ipass.net  
Cc: qrp-1@Lehigh.EDU  
Subject: [24691] Re: QRPizzah Invasion Possible  
Message-ID: <19970811.124930.5111.2.W4BWS@juno.com>

Our local Pizza Hut has a QRPP pizza they call it the personal pan pizza. Just right for the QRPP appetites.

DON w4bws@juno.com

On Sun, 10 Aug 1997 18:11:54 -0400 Paul Stroud <aa4xx@ipass.net> writes:  
>Hi Gang,

>

> We hope to see y'all for some QRO slices of QRPizzah this coming  
>Thursday night (Aug 14) at Two Guys Restaurant. We start gathering at  
>7PM and stay until they run us out of the joint. Some folks leave  
>earlier, and that's fine, too.

>

>Paul AA4XX (919) 779-1637 Middle Creek Township, NC

>

>

-----

Date: Mon, 11 Aug 1997 12:40:05 EDT  
From: w4bws@juno.com (Donald E Sanders)  
To: wmeara@erols.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [24692] Re: 11 volts from 12 volt regulator!  
Message-ID: <19970811.124930.5111.3.W4BWS@juno.com>

Try putting a silicon diode(s) in series with the ground leg to raise the voltage. The heat is probably from the device dropping the voltage from 22-24 volts to 11 volts.

Be sure you heat sink it very well. i have run into this low voltage with radioshack components before.

DON w4bws@juno.com

On Mon, 11 Aug 1997 06:09:16 -0400 Bill Meara <wmeara@erols.com> writes:  
>I just put the finishing touches on my (supposedly!) 12 VDC QRP station  
>power supply. Circuit is VERY simple: 18 volt (2 Amp) transformer to  
a

>2000 Mfd (50 Volt) filter cap to a Radio Shack 7812 12 VDC voltage  
>regulator. Problem is that the output voltage is only about 11.1  
volts.

>Has anyone seen this problem before? What do you think, bad  
>component?

>

>I also notice that the regulator gets quite hot. I put a fairly large  
>heat

>sink on it and I don't seem to get to the thermal shut down point  
>(even when  
>pulling around 1 amp through it.)

>

>Any suggestions?

>

>73 de N2CQR

>Bill Meara, Falls Church, Virginia

>wmeara@erols.com  
><http://www.mindspring.com/~johnmb/billm.htm>  
>  
>  
>

-----  
Date: Mon, 11 Aug 1997 12:40:05 -0400  
From: Ed Pacyna <pacyna@auratek.com>  
To: qrp-l@Lehigh.EDU  
Subject: [24693] Re: Map Help  
Message-ID: <3.0.16.19970811124003.2ae76502@dingle.auratek.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Sorry, but direct mail to [bmug@gwlcom](mailto:bmug@gwlcom) bounces. Others on qrp-l might find this of value.

Try:

<http://wc4.webcrawler.com/WebCrawler/Services/FindAddress.html>

Unless the address is very rural, you will get the detail you want.

de

Ed, W1AAZ

At 04:45 PM 8/10/97 -0600, you wrote:

>SRY for the bandwidth but I've seen it here before. I'm looking for a web site that will give me a street map for any given address.

>  
>Thanks  
>  
>de KBOROL, Brad  
>  
>  
>  
>

-----  
Date: Mon, 11 Aug 1997 10:16:41 -0700  
From: Norm Melick <[henmel@worldnet.att.net](mailto:henmel@worldnet.att.net)>

To: bmug@gwl.com  
Cc: qrp-1@Lehigh.EDU  
Subject: [24694] Re: Map Help  
Message-ID: <33EF48F9.6A4D@worldnet.att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Brad Mugleston wrote:

>  
> SRY for the bandwidth but I've seen it here before. I'm looking for a web site  
that will give me a street map for any given address.  
>  
> Thanks  
>  
> de KBOROL, Brad  
Hi Brad,

Try <http://www.mapsonus.com>

In the setup portion, you can tell it to give you the lat/long of your  
address.

Norm

-----  
Date: Mon, 11 Aug 1997 11:05:39 -0600  
From: KB0VCC <dalea@artemis.fc.hp.com>  
To: qrp-1@Lehigh.EDU  
Subject: [24695] Headphone Impedance (WAS: Headphones, where to get)  
Message-ID: <33EF4663.6792@artemis.fc.hp.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

L.C. Chadbourne wrote:

>I recently got my OHR-100 back from alignment. It include a note to "Use  
>Only (underlined)! 8 ohm Headphones . . ." I've checked local sources  
>and can't find any. Anyone know where I can order a pair?  
>Thanks in advance.  
>N5LC

I have an OHR-100 as well and have read this "warning". I would  
like to install an audio output transformer inside (that I can  
switch in or out) to match the Z to the type of headphone. So here's  
my question: What is the typical Z of personal stereo headphones?

I've heard anywhere from 600 to 2K Ohms. Can someone who REALLY knows, let me know?

Thanks es 72/73,

-Dale, KB0VCC

Fort Collins, CO

QRP-L #91 / CQC #251

ARS #234 / FISTS #3172

-----  
Date: Mon, 11 Aug 1997 13:25:37 -0400

From: Ed Tanton <n4xy@bellsouth.net>

To: wmeara@erols.com

Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [24696] Re: 11 volts from 12 volt regulator!

Message-ID: <3.0.1.32.19970811132537.00c26100@mail.atl.bellsouth.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Hi Bill... I don't think it's backwards... all of 'em will run somewhat hot after a while with any significant current drawn through them... what is the Vin? If it is at least 14V fine. If not, the reg may be unhappy about that. BUT:  $18V \times 1.414 = 25V$  and THAT IS a bit high... which would be why it's running hot... at 1A it is dissipating ~12W!!! If that much input voltage is there, I think you may have a somewhat defective VR (unless it is in the beginning stages of cutting back due to the exzcesive input-output differential)... and ALWAYS use a reverse diode across any 3-term reg (cathode of the diode on the VR input.) 18 VAC is a bit high for a transformer for a 12 V supply. It'll probably do it, but it's a lot. If you must use that xfmr I would advise a preregulator to cut it down to... say... 14 VDC on the input to the 12V VR... one quick way to do that is to use a 7815 first-splitting the I/O differential dissipation. You should have several bypasses on the output, especially an LF bypass or two consisting of a 10uFD & 1 uFD Tantalum plus a 0.1/0.01/0.001. the latter is also a good idea on the input.

1. Check that input voltage.
2. If it isn't there ( >14VDC), enough said.
3. If it is > ~18VDC under load, find a way to cut it down... unless you KNOW what the load will ALWAYS be, you can't just use a resistor-you COULD use one for testing though
4. If the input V is there aplenty, you may have a bad regulator. I am wary of declaring it bad before you cut that input down some.
5. Also, heatsink the daylights out of this guy.

Let me know what you learn.



Message-ID: <3.0.1.32.19970811133817.00c2c6c0@mail.atl.bellsouth.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Hi All... someone I talked to the other day had a bunch of glass/germanium diodes he wanted to ID but did not know how... here it is:

1. Multiple band end is the cathode.
2. Orient with typically 3 bands on LEFT with 1 band on the RIGHT
3. On left:

1st Band: Equals 1st digit for 3-digit diode (e.g. 1N270) or 0 for 2 digit (1N34)

2nd Band: Equals 2nd digit " " " or 1st digit for a 2 digit diode

3rd Band: Equals 3rd digit " " " or 2nd digit for a 2 digit diode

4. On right, the 4th Band represents only a manufacturer's code

Hence, 1N270 would be: RED VIO BLK and 1N34 would be: BLK ORG YEL

This code should work for ALL banded-marked glass diodes.

72/73

---

Ed Tanton N4XY EMAIL: n4xy@bellsouth.net  
189 Pioneer Trail  
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX

---

QRP-ARCI #7663	G-QRP #6779	OK-QRP #172	QRP-L #758	
AdvRC #140	NORCAL #1779		NCDXF	SEDXC
Life Member:	ARRL	AMSAT	INDEXA	QCWA

---

INTERESTS: DX QRP BoatAnchors Test Equipment Photography  
CW: 99.9% QRP: 95-100% (Mood swings!) Mercury Paddle #0214

~~~~~  
"Think you can, think you can't: either way you're right!" Henry Ford  
~~~~~

-----  
Date: Mon, 11 Aug 1997 13:33:16 -0400  
From: "KFGlynn" <KFGlynn@prodigy.net>  
To: <bmug@gwl.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
Subject: [24699] Re: Map Help



Message-ID: <199708111731.NAA09610@mail1y-int.prodigy.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hi Brad and gang (in case someone else is interested),

Maybe following can help you out:

<http://www.mapquest.com>

GL

72 Kevin N2T0

Kevin F. Glynn, N2T0  
Brooklyn, NYC  
KFGlynn@prodigy.net

-----  
Date: Mon, 11 Aug 1997 14:17:04 -0400 (EDT)  
From: ARDUJENSKI@aol.com  
To: qrp-1@Lehigh.EDU  
Subject: [24700] LED FIELD STRENGTH INDICATOR  
Message-ID: <970811141457\_-1807274049@emout07.mail.aol.com>

A few weeks ago I gave some details on a simple SWR indicator using small lamps as indicators. Questions came in about using LEDs.

I recently found a FS indicator that was very simple and uses an LED with a small meter. Book entitled 44 ELECTRONICS PROJECTS FOR HAMS, SWLS, CBERS, AND RADIO EXPERIMENTERS by dave ingram. k4twj (1961) pp167-169.

Consists of a 5000 ohm 1/2 watt resistor, 2000 ohm 1/2 watt potentiometer, 1N34 DIODE (ore equiv), 0.01uf disc ceramic cap., any general purpose LED, 0-500 uA meter. Whip is a 10" to 12" stiff wire into a banana plug.

The book states: The 5000 ohm input resistor is used in lieu of a tuned circuit to permit incoming signal to develop a potential regardless of its frequency. The LED provides very low resistance in the forward bias configuration.

The LED will vary in brightness according to RF energy plus you have a meter.

Just thought I would share this little gem I found...Alan KB7MBI

-----  
Date: Mon, 11 Aug 97 11:40:26 PDT  
From: Paul Erickson <paul1@wizard.ucs.sfu.ca>  
To: qrp-1@Lehigh.EDU (qrp)  
Subject: [24701] AS model ACJ-2801J1 ?  
Message-ID: <9708111840.AA04468@wizard.ucs.sfu.ca>

Can anyone help me identify this and determine it's spec's?

It appears to be a 52ohm dummy load of some sort. Has two N connectors the label indicates in and out. What is it's power rating, and what are they worth???

cheers, Paul  
VE7CQK  
email: paul1@wizard.ucs.sfu.ca

-----  
Date: Mon, 11 Aug 1997 14:23:49 -0400  
From: "Watson R Gabriel Jr" <wgabriel@duke-energy.com>  
To: qrp-1@Lehigh.EDU  
Subject: [24702] WWW Map Sites  
Message-ID: <852564F0.0064EB10.00@dpcmail.dukepower.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset=US-ASCII

Depending on what you are looking for, try:

[www.zip2.com](http://www.zip2.com)

[www.city.net](http://www.city.net)

Enjoy. Watson/WB4EXW

-----  
Date: Mon, 11 Aug 1997 14:53:10 -0400  
From: Mel Evans <MelEvansGM6JAG@CompuServe.COM>

To: "qrp-1@lehigh" <qrp-1@Lehigh.EDU>  
Subject: [24703] European operation  
Message-ID: <199708111453\_MC2-1CDE-827A@compuserve.com>  
MIME-Version: 1.0  
Content-Transfer-Encoding: quoted-printable  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Disposition: inline

Hi guys,

Saw a thread about operating 19th August in Netherlands. I would guess this is a no no due to time scale involved. . . .

However, in the interests of general information, many of you may not know that we now have "CEPT" reciprocal licensing here in Europe, and thus the holder of a UK or other European country licence may operate cross-border into most other European/Mediterranean countries without prior notification, using the format <Country of operation prefix/Own callsign>=

Soooooh!  
my call in Spain would be EA/GM6JAG. =

The other way round, GM6JAG/EA, indicates usually a resident or long term visitor who is continuing to use his own call, but has taken out a separate visitor's/reciprocal licence. These ones cost money, and are gradually dying out, except for a few.

The moral would seem to be if you intend doing the grand tour, try and obtain a full UK or other European license and keep re-newing it, we pay yearly. That way you can operate without prior notice virtually any time! =

Compulsory QRP bit: The neophyte has surfaced again in a nicely produced design from the EA-QRP club, known as the "BABY". Does anyone out there have a note of the TOKO coils used for 20m?

72 and 73 de Me1 GM6JAG  
Edinburgh Scotland UK  
Home of the last HW9



with very good results.

72, Bob KI0G

-----  
Date: Mon, 11 Aug 1997 12:14:32 -0700  
From: Bill Jones <kd7s@psnw.com>  
To: qrp-1@Lehigh.EDU  
Subject: [24706] Re: Map Help  
Message-ID: <33EF6498.7978@psnw.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Brad Mugleston wrote:

>

> SRY for the bandwidth but I've seen it here before. I'm looking for a web site  
that will give me a street map for any given address.

>

Try <http://www.mapquest.com>

-----  
Bill Jones - KD7S <><  
Sanger, California  
kd7s@psnw.com  
-----

-----  
Date: Mon, 11 Aug 1997 15:42:38 -0400 (EDT)  
From: aa8yo@tir.com (aa8yo)  
To: qrp-1@Lehigh.EDU  
Subject: [24707] DELEWARE!  
Message-ID: <199708111942.PAA05287@tir.com>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

OK Gang,

Here's the deal. I've been on HF for 6 months and am closing  
in on WAS. I've only worked one DE station. I sent him a QSL  
after he assured me he would send one back. That was in April.

I've since sent him another one, this time with a SASE, and unfortunately, no return yet. I know there are only a handful of hams in that tiny state.

Is there anyone in this group that lives in DE? Is there anyone in this group that lives in DE, and QSL's? Is there anyone in this group that would be willing to set up a sked with an enthusiastic operator that QSL's 100%, who lives in MI, and is anxious for his WAS, and is a QRP-L member, and FISTS member, and pending QRP-ARCI member, and all around great guy ;-)) .....

Please respond direct es does not necessarily have to be QRP...ouch!  
es if I mis-spelled Deleware, sorry...

72/73,

Bob / aa8yo@tir.com  
FISTS #3056 QRP-L #1174 QRP-ARCI #pending

-----  
Date: Mon, 11 Aug 1997 18:45:08 +0100  
From: Leon Heller <leon@lfheller.demon.co.uk>  
To: chas@nmaa.org  
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>  
Subject: [24708] Re: Dan's MPF131  
Message-ID: <tBz\$mBAk+07zEwoW@lfheller.demon.co.uk>  
MIME-Version: 1.0

In message <33EF53E0.4610@nmaa.org>, Charles Kadesch <chas@nmaa.org> writes

>I noticed Dan has MPF131 dual gate MOSFETs on sale. I can't  
>find any data on them in my Motorola Selection Guide. Does  
>anyone know more about them? I am wondering if they might do  
>as replacements for the now hard to find (and expensive) 40673  
>which are used in numerous QRP circuits (QRP Notebook etc.)  
>-72-  
>Chas W3KC  
>chas@nmaa.org

The BF961 is a dual-gate MOSFET currently made by TEMIC; I've just bought some from Farnell. Data is on the TEMIC web site. They are intended for input and mixer stages up to 300 MHz. NF is 1.8 dB typ. at 200 MHz.

73, Leon

--

Leon Heller: [leon@lfheller.demon.co.uk](mailto:leon@lfheller.demon.co.uk) <http://www.lfheller.demon.co.uk>  
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424  
See <http://www.lfheller.demon.co.uk/rcm.htm> for details of a  
low-cost reconfigurable computing module using the XC6216 FPGA

-----  
Date: Mon, 11 Aug 1997 22:48:33 +0200 (EET)  
From: "Arjen Raateland, FEI/Impacts Research" <[Arjen.Raateland@vyh.fi](mailto:Arjen.Raateland@vyh.fi)>  
To: [qrp-l@Lehigh.EDU](mailto:qrp-l@Lehigh.EDU)  
Subject: [24709] Headphone impedance  
Message-ID: <01IMBWEN9FWC8YAH6X@vyh21.vyh.fi>  
MIME-version: 1.0  
Content-type: TEXT/PLAIN; CHARSET=US-ASCII  
Content-transfer-encoding: 7BIT

> L.C. Chadbourne wrote:  
> >I recently got my OHR-100 back from alignment. It include a note to  
"Use  
> >Only (underlined)! 8 ohm Headphones . . . ." I've checked local  
sources  
> >and can't find any. Anyone know where I can order a pair?  
> >Thanks in advance.  
> >N5LC  
  
> I have an OHR-100 as well and have read this "warning". I would  
> like to install an audio output transformer inside (that I can  
> switch in or out) to match the Z to the type of headphone. So  
here's  
> my question: What is the typical Z of personal stereo headphones?  
> I've heard anywhere from 600 to 2K Ohms. Can someone who REALLY  
> knows, let me know?

Dale and gang,

(I had to paste this text together from pieces in my terminal buffer,  
because I botched the QRP-L address at the first attempt and the reply  
only went to Dale. I hope it hasn't been mutilated.)

I can only relate my experiences, and I don't know if that's real  
enough, hi.

Speaking about audio outputs intended for 8 Ohm loads:

Using high-impedance phones you will have lower volume than with 8 Ohm phones, perhaps too low. That depends on the gain in the rig.

However, audio PA IC's commonly used in QRP equipment (LM380 and LM386) in their usual circuits generate an certain amount of annoying high-pitched noise (hiss) on their own, i.e. it originates in the IC itself and so it will NOT be attenuated by the volume control which usually precedes the audio PA. With high-impedance phones the volume control will have to be kept at a higher setting as compared to what would be high enough for low-impedance phones. At this higher setting the hiss will drown in the wanted signal. At the output a suitable level of audio is attained by using either high-impedance phones or by adding some resistance in series with low-impedance (light weight Hi-Fi) phones, e.g. 220 Ohm. This will abate the annoying hiss. If this leaves you with low audio, some extra gain needs to be added before the audio PA.

My Sennheiser phones are high-impedance (600 Ohm), but Sennheisers seem to be low-impedance nowadays, except for some models (conforming to Japanese standards, perhaps).

The Kenwood HS-5 I have are low impedance (8 ohms (per channel?)), but probably do not respond to hiss as much as Hi-Fi type low-impedance phones. Light-weight phones seem to be in between. 32 Ohm per channel would be typical, I think.

I suppose the reason for OHR recommending low-impedance phones is getting enough audio out at the gain the radio has. But in my experience this is a recipe for hiss. The audio PA IC couldn't care less about high or low load impedance, for it has a VERY low output impedance (as opposed to recommended minimum load impedance).

NorCal designs like the NC-40 and the Sierra have the audio gain control at the output for at least the reason of deriving AGC voltage (before the gain control), but this also serves nicely to reduce hiss in low-impedance phones.

Just my 2 cents worth.  
73, oh2zaz

Arjen Raateland  
---- ..-- ... . --- .... ..-- ---- ..- ----  
Finnish Environment Institute, Helsinki, Finland  
SAS Support  
EMAIL: Arjen.Raateland@vyh.fi  
tel. +358 9 4030 0457  
fax +358 9 4030 0490  
..-- ..-



-----  
Date: Mon, 11 Aug 1997 14:55:56  
From: Steven Weber <kd1jv@moose.ncia.net>  
To: qrp-1@Lehigh.EDU  
Subject: [24710] 2SC2166 pwr out  
Message-ID: <3.0.1.16.19970811145556.281f8daa@mailhost.ncia.net>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"

Hi All,

If anyone was wondering how I got 10+ watts out of a single 2SC2166, the answer is simple----bad test equipment.

Seems I was too lazy to turn on the IFR service monitor, so used an old Radio Shack three scale power/ swr meter. Big mistake. Turns out not only is the accuracy non existant, it is also frequency sensitive.

Measurments on the IFR show 5 watts out up to about 18 Mhz, where it starts to drop with 3 3/4 watts out at 21 Mhz.

Thought 10 watts was too good to be true. 5 watts is more consitant with this type of transistor. Oh well, maybe I do need to go push pull. I also see an OHR QRP power meter in my future.

73

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

-----  
Date: Mon, 11 Aug 1997 14:36:34 +0000  
From: "Marshall Emm" <mgemm@mtechnologies.com>  
To: qrp-1@Lehigh.EDU  
Subject: [24711] Key pictures on the web  
Message-ID: <199708112037.0AA21462@bobcat.sni.net>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

I've put images of some of my more interesting keys on the web sit.  
To view them, go to <http://www.mtechnologies.com/mthome> and look for

the N1FN personal home page link at the bottom of the page. On the N1FN page look for the "dancing key."

I don't have much info about some of them, so if you can help fill in the blanks please do!

73

Marshall Emm  
N1FN/VK5FN  
n1fn@mtechnologies.com  
<http://www.mtechnologies.com/mthome>  
(303)752-3382

--

-----  
Date: Mon, 11 Aug 1997 10:14:30 -0500  
From: tahrens1@juno.com (Timothy H Ahrens)  
To: newberry@cyberhighway.net  
Cc: qrp-1@Lehigh.EDU  
Subject: [24712] Re: How to paint PCB  
Message-ID: <19970811.153337.3630.2.tahrens1@juno.com>

Hi Greg - I did some RustOleum flat black on my last one, and it 'kinda' stuck. I'll be playing more with the unit, so should have some information on how well it holds up. Perhaps Crinkle paint would have done better, but didn't have any. Please copy me on your conclusions.. From the QRPP article, it looks like the enclosures are only shot with clear.. maybe that's a sign, eh? hehe

cu

Tim W5FN

-----  
Date: Mon, 11 Aug 1997 15:51:08 -0500  
From: tahrens1@juno.com (Timothy H Ahrens)  
To: leinwebe@mcmail.CIS.McMaster.CA  
Cc: qrp-1@Lehigh.EDU  
Subject: [24713] Re: battery abuser question?  
Message-ID: <19970811.160006.3630.4.tahrens1@juno.com>

Hi Glen - Well, there is a company that sells a product that supposedly takes care of the sulfation problems with lead acid batteries. They even claim that if you put one of these things on an old dead battery (as found in fields out back) that they can also be rejuvenated. We have bought one to put on one of our trucks, so I don't have any hard data from here, but we are trying it out to see. They sell for about 50/60 dollars (with a solar cell for source voltage), and about \$120 for one with both solar cell, and plug in transformer. The US Army has bought a bunch of these things for their vehicles that stay 'mothballed' for years at a time, so they don't have to replace the batteries everytime they start em up. It does not charge the battery, it only keeps it up. It appears to be some type of high voltage square wave they put on the battery.

If you are interested, I can get you some information.

I don't have any interest in the company, but would like to quit replacing batterys every year or so.

cu

Tim W5FN

> Any chance of coaxing those three cells back  
>to life? How to do it?  
>Glen VE3DNL leinwebe@mcmaster.ca  
>  
>

-----  
Date: Mon, 11 Aug 1997 21:56:41 GMT  
From: n4js@amsat.org (John Sielke)  
To: qrp-l@Lehigh.EDU  
Subject: [24714] Schematic request  
Message-ID: <33f08a8d.651990@mail.cyberenet.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: quoted-printable

Ok, I'm a bit embarassed. Someone emailed me yesterday, asking me if I could email them a schematic. I scanned it this morning, but I lost the request. I am hoping it was someone on this list.

Red-facedly....

_ \           _     / _ _	John L. Sielke n4js@amsat.org n4js@pobox.com
. '     _ _         \ _ _ \	n4js@n4js.ampr.org NJ Grid:FM29LN
_   \ _     _   \ _ _ /   _ _ /	http://www.qsl.net/n4js
NE-QRP #507 G-QRP #9544	NJ-QRP #57 QRP-L #884 QRP-ARCI AKQRP
	NorCal #1989 CQC CQRP QCWA FISTS #2781

-----

Date: Mon, 11 Aug 1997 13:28:35 -0600  
From: Brad Mugleston <bmug@gwl.com>  
To: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>  
Cc: Brad Mugleston <COMPLIANCE/COMPLIANCE/bmug@gwl.com>, "'Linda Eastepp'" <Leastepp@kktv.com>  
Subject: [24715] MAPS  
Message-ID: <01BCA65A.7A65F160@pps-pc10.gwl.com>  
Content-Type: text

Boy did I get a response to my last request. For those of you who are interested here are the responses I got.

<http://www.vicinity.com/mapblast/index.html>  
<http://www.mapsonus.com>  
<http://www.mapquest.com>  
<http://www.mapquest.com/cgi-bin/>  
<http://mapweb.parc.xerox.com/map/>  
<http://www.delorme.com/cybermaps/>  
[http://www.city.net/countries/united\\_states/](http://www.city.net/countries/united_states/)  
<http://www.geocode.com/eagle.html-ssi>

USE - if you are looking for a MAP of a particular address these web sites will help you.

If you know of other places - please forward to me.

De KBØROL, Brad

-----

Date: Mon, 11 Aug 1997 18:09:30 -0400  
From: "Bob Kellogg" <ae4ic@nr.infi.net>  
To: <newberry@cyberhighway.net>  
Cc: "qrpforum" <qrp-1@Lehigh.EDU>  
Subject: [24716] Re: How to paint PCB  
Message-ID: <199708112211.SAA10806@mh004.infi.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=ISO-8859-1  
Content-Transfer-Encoding: 7bit

Hi Greg,

I sand the enclosures and finish them like an automobile fender. That is, I use fine wet or dry sandpaper, then spray on an automotive undercoat, sand again, (do this maybe two or three times) and then the final coats of automotive paint.

CUL,  
Bob Kellogg, AE4IC, Greensboro, NC  
Probably, but not nececelery. -- Benny Hill

-----  
> In all the tips i've seen about making enclosures out of PCB's I haven't  
> seen anything about painting them. Anyone want to share their success  
> with me? I've tried but it seems the paint doesn't adhere to the copper  
> well. What paint/primer works best? Maybe appliance epoxy paint?  
>  
> Thanks  
> Greg

-----  
Date: Mon, 11 Aug 1997 18:44:30 EDT  
From: Conway Yee <cyee@bidmc.harvard.edu>  
To: <qrp-1@Lehigh.EDU>  
Subject: [24717] Re: battery abuser question?  
Message-ID: <08111997184430.3N1638T@email.bidmc.harvard.edu>

On a related note, what happens to a battery (computer grade lead acid) that you just leave lying around indoors? Anything evil? I have a couple that have been sitting indoors for about a year. I just noticed. Recently, I noticed a bit of bulging on one of them but don't recall if this was always there. The voltages on both are similar. circa 11.8V on the one with the bulge and circa 12.1V on the other. Both are in a relative state of discharge as I have failed to keep them charged up.

Conway Yee

-----

End of QRP-L Digest 815

\*\*\*\*\*

-----